CLAIMS

1. A device for regulating the temperature of a heating wire (RH), the device comprising an electronic switch (SW) connected in series with the heating wire (RH), means for controlling the electronic switch (SW), characterized in that the device also comprises means (4) for controlling a switching time of the electronic switch (SW) and in that the control means (4) control the voltage across the terminals of the switch (SW) as a function of a setpoint voltage (c(t)) defining the switching time.

2. The device as claimed in claim 1, characterized in that it comprises means (A2) for measuring the temperature of the heating wire, in that the control means turn the electronic switch (SW) on and off as a function of the temperature of the heating wire (RH).

3. The device as claimed in claim 2, characterized in that the means for measuring the temperature of the heating wire (RH) comprise means (A2) for comparing the voltage present at the common point between the electronic switch (SW) and the heating wire (RH) with a reference voltage (R1, R2).

4. The device as claimed in one of the preceding claims, characterized in that the control means (4) define a switching time that is longer than the normal switching time of the electronic switch (SW) taken in isolation.

5. The device as claimed in one of the preceding claims, characterized in that the control means comprise an operational amplifier (A1), whereof a first input (7) is connected to the common point (2) of the heating wire (RH) and of the electronic switch (SW), whereof a second input (8) receives the setpoint voltage (c(t)) and whereof the output (9) controls the

turning-on and the turning-off of the electronic switch (SW).